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Substitute for form 1449A/PTO

(modified)

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

**Complete if known**

Application Number	10/034,127
Filing Date	December 27, 2001
First Named Inventor	Eric A. Holwitt
Group Art Unit	Not yet assigned
Examiner Name	Not yet assigned
Attorney Docket Number	005247.P010

Sheet	1	of	4
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**U.S. PATENT DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	U.S. Patent Document Number	Kind Code <sup>2</sup> (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Where Relevant Passages or Figures Appear
RMA		3,970,518		Giaever	07/20/1976	2/566
		4,230,685		Senyei et al.	10/28/1980	—
		4,677,055		Dodin et al.	06/30/1987	—
		4,695,393		Whitehead et al.	09/22/1987	—
		5,003,050		Kiel et al.	03/26/1991	—
		5,270,163		Gold et al.	12/14/1993	—
		5,475,096		Gold et al.	12/12/1995	—
		5,567,588		Gold et al.	10/22/1996	—
		5,578,832		Trulson et al.	11/26/1996	—
		5,580,737		Polisky et al.	12/03/1996	—
		5,582,981		Toole et al.	12/10/1996	—
		5,595,877		Gold et al.	01/21/1997	—
		5,637,459		Burke et al.	06/10/1997	—
		5,641,629		Pitner et al.	06/24/1997	—
		5,650,275		Pitner et al.	07/22/1997	—
		5,670,637		Gold et al.	09/23/1997	—
		5,683,867		Biesecker et al.	11/04/1997	—
		5,696,249		Gold et al.	12/09/1997	—
		5,707,796		Gold et al.	01/13/1998	—
RMA		5,763,177		Gold et al.	06/09/1998	—
		5,837,832		Chee et al.	11/17/1998	—

Examiner  
Signature

HORLICK

Date  
Considered

6/18/03

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HUR		5,843,653		Gold et al.	12/01/1998	2/56
		5,853,984		Davis et al.	12/29/1998	—
		5,856,108		Kiel et al.	01/05/1999	—
		5,861,242		Chee et al.	01/19/1999	—
		5,874,218		Drolet et al.	02/23/1999	—
		5,958,691		Pieken et al.	09/28/1999	—
		6,001,577		Gold et al.	12/14/1999	—
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		6,096,825		Garnier	08/01/2000	—
		6,201,086		Garnier	03/13/2001	—
		6,242,246		Gold, et al.	06/05/2001	—

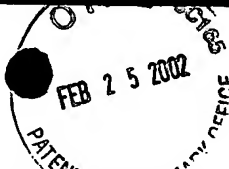
FOREIGN PATENT DOCUMENTS							
Examiner Initials	Cite No. <sup>1</sup>	Office <sup>3</sup>	Foreign Patent Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Where Relevant Passages or Figures Appear
HUR		WIPO	WO 91/19813	A1	Gold, et al.	12/26/1991	2/56
		WIPO	WO 95/29199	A1	Garnier	11/02/1995	—
		WIPO	WO 96/27604	A1	Gold, et al.	09/12/1996	—
		WIPO	WO 99/31275	A1	Gold, et al.	06/24/1999	—

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**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
[Handwritten initials]		Bruno & Yu, "Immunomagnetic-electrochemiluminescent detection of <i>Bacillus anthracis</i> spores in soil matrices," <i>Appl. Environ. Microbio.</i> , 62:3474-3476, 1996.	
		Bruno, John G., <i>In vitro</i> selection of DNA to chloroaromatics using magnetic microbead-based affinity separation and fluorescence detection," <i>Biochim. Biophys. Res. Comm.</i> , 234: 117-120, 1997.	
		Bruno <i>et al.</i> , "Preliminary electrochemiluminescence studies of metal ion-bacterial dilauminomelanin (DALM) interactions," <i>J. Biolumin. Chemilum.</i> , 13: 1-7, 1998.	
		Ellington & Szostak, " <i>In vitro</i> selection of RNA molecules that bind specific ligands", <i>Nature</i> , 346:818-822, 1990.	
		Ellington & Szostak, "Selection <i>in vitro</i> of single stranded DNA molecules that fold into specific ligand-binding structures", <i>Nature</i> , 355:850-52, 1992.	
		Gatto-Menking <i>et al.</i> , "Sensitive detection of biotoxoids and bacterial spores using an immunomagnetic electrochemiluminescence sensor", <i>Biosensors &amp; Bioelectronics</i> , 10:501-507, 1995.	
		Jayasena, S.D., "Aptamers: An Emerging Class of Molecules That Rival Antibodies in Diagnostics", <i>Clin. Chem.</i> , 45:1628-1650, 1999.	
		KIEL <i>et al.</i> "Luminescent radio frequency radiation dosimetry." <i>Bioelectromagnetics</i> 20, pages 46-51, 1999a.	
		KIEL <i>et al.</i> , Pulsed microwave induced light, sound, and electrical discharge enhanced by a biopolymer. <i>Bioelectromagnetics</i> 20:216-223, 1999b.	
[Handwritten initials]		KLUG and FAMULOK, All you wanted to know about SELEX. <i>Molecular Biology Reports</i> , 20: 97-107, 1994.	

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9/22/01		Lorsch and Szostak, "In vitro selection of nucleic acid sequences that bind small molecules." In: <i>Combinatorial Libraries: Synthesis, Screening and Application Potential</i> (R. Cortese, ed.), Walter de Gruyter Publishing Co., New York, pp. 69-86, 1996.	
		REIF <i>et al.</i> , Identification of capsule-forming <i>Bacillus anthracis</i> spores with the PCR and a novel dual-probe hybridization format. <i>Applied and Environmental Microbiology</i> , Volume 60, pages 1622-1625, 1994.	
		Shoemaker <i>et al.</i> , "Quantitative phenotypic analysis of yeast deletion mutants using a highly parallel molecular bar-coding strategy", <i>Nature Genetics</i> , 14:450-456, 1996.	
		Tuerk, "In vitro evolution of functional nucleic acids: high-affinity RNA ligands of HIV-1 proteins", <i>Gene</i> 137:33-39, 1993.	
		Tuerk, "Using the SELEX combinatorial chemistry process to find high affinity nucleic acid ligands to target molecules", <i>Meth. Mol. Biol.</i> 67:219-30, 1997.	
		Tuerk, C. and Gold, L., "Systematic evolution of ligands by exponential enrichment: RNA ligands to bacteriophage T4 DNA Polymerase", <i>Science</i> , 249:505-510, 1990.	
9/22/01		Yu and Bruno, "Immunomagnetic-electrochemi-luminescent detection of <i>Escherichia coli</i> 0157 and <i>Salmonella typhimurium</i> in food and environmental water samples," <i>Appl Environ. Microbiol.</i> , 62:587-92, 1996.	

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